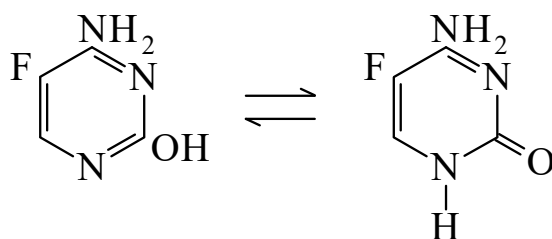




>>Entry Name: 4-Amino-5-fluoro-2-hydroxypyrimidine

Synonym(s): 4-Amino-5-fluoro-2(1*H*)-pyrimidinone, 9Cl. 5-Fluorocytosine, 8Cl. **Flucytosine**, BAN, INN, JAN, USAN. Fluocytosine. Ro 2-9915. Alcobon. **Ancobon**‡. Ancotyl



CAS Registry Number: 2022-85-7

Molecular Formula: C₄H₄FN₃O

Molecular Weight: 129.094

Accurate Mass: 129.03384

Percentage Composition: C 37.22%; H 3.12%; F 14.72%; N 32.55%; O 12.39%

Use/Importance: Antifungal agent, often used in combination with Amphotericin B [CKN61-R](#)

Melting Point: Mp 295-297 dec.°

pKa Value: pK_a 3.26

Hazard & Toxicity: Haemopoietic and severe gastrointestinal effects reported when used therapeutically. Exp. teratogen

Aldrich: 27159-4

Fluka: 46850

Sigma: F7129

>>Derivative: 1-β-D-Ribofuranosyl

see 5-Fluorocytidine, [NXS61-U](#)

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